

30-NOV-01

**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

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**NOTE:** OPEN problems denoted by asterisk (\*) following problem number.

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
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**PROBLEM NO: 10661**

**CLOSED**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	RACK, BOMB EJECTOR (IMER)	1348AS100	1095	01-257-1968	
	RACK, BOMB EJECTOR (ITER)	1348AS500	1095	01-257-1967	
	RACK ASSEMBLY (MER)	291AS100-1	1095	00-133-6817	
	RACK, BOMB EJECTOR (MER)	291AS100-101	1095	00-109-7744	
	RACK, BOMB EJECTOR (MER)	291AS100-201	1095	01-053-7225	
	RACK, BOMB EJECTOR (TER)	292AS100-101	1095	00-036-6486	

**EI CNTRL NO:**

**PROB BRIEF :** BRU-41/42; MK-76 PRACTICE BOMB FAILED TO RELEASE

**PROBLEM :** Pilot was unable to release store and aircraft DDI indicated hung  
**DESCRIPTION** store.

**PREVENTIVE :** None required.  
**ACTION**

**CORRECTIVE :** Monitor CADs for substandard lots and suspend from use as  
**ACTION** appropriate.

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	CSFWP DET FALLON	CODR	R55153-01-0002	02APR01	CLOSED
	VMFA-232	CODR	M09242-01-0005	23FEB01	CLOSED
	VMFA-232	CODR	M09242-01-0004	16FEB01	CLOSED
	VMFA-232	CODR	M09242-01-0003	15FEB01	CLOSED
	VFA-106	CODR	V09679-01-0004	25JAN01	CLOSED
	VMFA(AW)-224	CODR	M09439-01-0002	17JAN01	CLOSED
	VMFA(AW)-224	CODR	M09439-01-0003	17JAN01	CLOSED
	VFA-195	CODR	R09706-01-0004	16JAN01	CLOSED
	VMFA-115	EMR	M09234-00-0021	27OCT00	CLOSED
	VMFA(AW)-242	CODR	M09668-00-0023	31JUL00	CLOSED *
	VFA-115	CODR	R09604-00-0030	25JUN00	CLOSED *
	CSFWP DET FALLON	CODR	R55153-00-0012	18MAY00	CLOSED *
	VMFA-232	CODR	M09242-00-0009	18MAY00	CLOSED *
	VMFA(AW)-225	CODR	M09232-00-0016	19APR00	CLOSED *
	CSFWP DET FALLON	CODR	R55153-00-0006	13APR00	CLOSED *
	VMFA(AW)-242	CODR	M09668-00-0005	06APR00	CLOSED *
	VMFA(AW)-224	CODR	M09439-00-0007	30MAR00	CLOSED *
	VMFA-321	CODR	M67815-00-0004	17MAR00	CLOSED *
	VMFA-321	CODR	M67815-00-0006	17MAR00	CLOSED *
	CSFWP DET FALLON	CODR	R55153-00-0004	04FEB00	CLOSED *
	VMFA(AW)-242	CODR	M09668-99-0018	20DEC99	CLOSED *
	VMFA(AW)-242	CODR	M09668-99-0019	20DEC99	CLOSED *
	VFA-22	CODR	R09561-99-0041	25OCT99	CLOSED *

\* ACTION REPORTED IN PREVIOUS PUBLICATION

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PROBLEM NO: 10661

(Continued)

SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
VMFA(AW)-242	CODR	M09668-99-0013	11MAY99	CLOSED *
VFA-125	EMR/EIR	R09485-99-0002	19FEB99	CLOSED *
VMFA-323	CODR	M09235-97-0048	10DEC97	CLOSED *
VMA-542	CODR	M52847-97-0060	29SEP97	CLOSED *
VFA-37	CODR/EIR	V09478-95-0054	14DEC95	CLOSED *
VMFA-323	CODR	M09235-95-0035	28SEP95	CLOSED *
VMFA-323	CODR	M09235-95-0031	21AUG95	CLOSED *
VA-34	CODR/EIR	V09070-95-0008	14MAR95	CLOSED *
VMFA-232	CODR/EMR	M09242-94-0024	19OCT94	CLOSED *
MAG-49 DET A	CODR	M67235-94-0003	07OCT94	CLOSED *
VMFA-323	CODR	M09235-94-0012	11APR94	CLOSED *
MAG-42 DET A	CODR	M67243-94-0001	20MAR94	CLOSED *
VMA-311	CODR	M09416-94-0003	07FEB94	CLOSED *
VFA-125	CODR	R09485-94-0045	28JAN94	CLOSED *
VMFA(AW)-332	CODR/EMR	M09501-94-0002	14JAN94	CLOSED *
VMA-231	CODR/EIR	M52948-93-0022	19AUG93	CLOSED *

## \* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : CSFWP DET FALLON CODR R55153-01-0002 02APR01 CLOSED

END ITEM	PART/DOC. NO.	FSC	NIIN	NALC
:	1348AS100	1095	01-257-1968	
NOMEN: RACK, BOMB EJECTOR (IMER)				
S/N: UNK				
FAILED PART:	1348AS1100			
NOMEN: EJECTOR RACK				

**DESCRIPTION:**

Two aircraft returned from a local bombing mission with three hung MK-76s on BRU-41 sub stations three, four, and five on the first aircraft, and two hung MK-76s on sub station's five and six of the second aircraft. Upon disarming both aircraft, technicians discovered that the CCU-107s had fired. The CCU-107s had partially expended pellets and wet propellant that caused clogging in the barrel tube of both BRU-41s. All of the CCU-107s were received in original container without visible damage or abnormalities. It was suspected that water intrusion in the cartridges had caused material failure. This was the only cartridge lot in stock at NAS Fallon and its use was continued. CFA response was not required.

**ACTION TAKEN:**

03APR01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further action is required. CSFWP DET Fallon's participation in AWCAP is greatly appreciated. Closing action.

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AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 10661

(Continued)

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM	COMPLETE 03APR01

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	CSFWP DET FALLON MESSAGE 021500ZAPR01	REPORTED PROBLEM
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	PROBLEM CLOSING
	03APR01	

<b>ACTION :</b>	<b>VMFA-232</b>	<b>CODR</b>	<b>M09242-01-0005</b>	<b>23FEB01 CLOSED</b>	
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UNK			
<b>FAILED PART:</b>	1348AS1100			
	<b>NOMEN:</b> EJECTOR RACK			

**DESCRIPTION:**

An aircraft returned from a training mission with a hung MK-76 practice bomb on aircraft station eight, (BRU-41 station 1). The ground crew discovered that the CCU-107 had fired and failed to release the MK-76. Further inspection revealed that all restrictors had O-rings properly installed. Ordnance crew found residual and unburned pellets in breech guns indicating cartridges did not properly burn upon ignition. The aircraft was checked in accordance with NAVAIR A1-F18AE-LWS-000 without discrepancies noted. It was determined cartridges did not fire properly due to material failure. CFA response was not required.

**ACTION TAKEN:**

28FEB01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. VMFA-232's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM	COMPLETE 28FEB01

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMFA-232 MESSAGE 230201ZFEB01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	PROBLEM CLOSING
	28FEB01	

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 10661

(Continued)

**ACTION : VMFA-232 CODR M09242-01-0004 16FEB01 CLOSED** |

**END ITEM :** PART/DOC. NO. FSC NIIN NALC  
 1348AS100 1095 01-257-1968  
**NOMEN:** RACK, BOMB EJECTOR (IMER)  
**S/N:** UNK  
**FAILED PART:** 1348AS1100  
**NOMEN:** EJECTOR RACK

**DESCRIPTION:**

An aircraft returned from a training mission with one hung MK-76 practice bomb at aircraft station eight, (BRU-41 station 1). Upon downloading the ground crew discovered that the CCU-107 cartridge had fired, but failed to release bomb. Further inspection revealed that all restrictors had O-rings properly installed. Residual and unburned pellets in breech guns were found indicating cartridges did not properly burn upon ignition. The aircraft was checked in accordance with NAVAIR A1-F18AE-LWS-000 with no discrepancies noted. It was determined that cartridges did not fire properly due to material failure. CFA response was not required.

**ACTION TAKEN:**

22FEB01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further action is required. VMFA-232's participation in AWCAP is greatly appreciated. Closing action.

**ACTION : ACTIVITY/CODE ASSIGNMENT DUE DATE STATUS**  
**SUMMARY** RTSC CLOSE PROBLEM COMPLETE 22FEB01 |  
 INDIANAPOLIS/CNPCOO

**REFERENCES : IDENTIFICATION REFERENCE BRIEF**  
 VMFA-232 MESSAGE 160201ZFEB01 PROBLEM REPORTED |  
 RTSC INDIANAPOLIS/CNPCOO CFA REVIEW PROBLEM CLOSING |  
 22FEB01

**ACTION : VMFA-232 CODR M09242-01-0003 15FEB01 CLOSED** |

**END ITEM :** PART/DOC. NO. FSC NIIN NALC  
 1348AS100 1095 01-257-1968  
**NOMEN:** RACK, BOMB EJECTOR (IMER)  
**S/N:** UNK  
**FAILED PART:** 1348AS1100  
**NOMEN:** EJECTOR RACK

**DESCRIPTION:**

Two aircraft returned from a training mission, each with one hung MK-76 practice bomb (first aircraft, station three, BRU-41 station

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**PROBLEM NO: 10661**

**(Continued)**

six, second aircraft station three, BRU-41 station three). The ground crew discovered that the CCU-107 cartridges had fired and failed to release either MK-76 practice bomb. Further inspection revealed that all restrictors had o-rings properly installed. The aircraft were checked in accordance with NAVAIR A1-F18AE-LWS-000 and no discrepancies were noted. It was determined that cartridges did not fire properly due to material failure and were made available to MALS-11 for exhibit. CFA response was not required.

**ACTION TAKEN:**

21FEB01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. VMFA-232's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		RTSC	CLOSE PROBLEM		COMPLETE 21FEB01
		INDIANAPOLIS/CNPCOO			

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VMFA-232 MESSAGE 150201ZFEB01	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	PROBLEM CLOSING
		21FEB01	

<b>ACTION</b>	<b>:</b>	<b>VFA-106</b>	<b>CODR</b>	<b>V09679-01-0004</b>	<b>25JAN01</b>	<b>CLOSED</b>

	<b>:</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>		1348AS100	1095	01-257-1968	
		<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
		<b>S/N:</b> UNK			
<b>FAILED PART:</b>		1348AS1100			
		<b>NOMEN:</b> EJECTOR RACK			

**DESCRIPTION:**

An aircraft returned with one unexpended MK-76 practice bomb wing pylon station three, BRU-41 substation five. The ground crew observed the BRU-41 breech lead disconnected and the CCU-107 impulse cartridge was missing. Further investigation revealed the breech lead retainer clip missing. It was suspected that the breech lead retainer clip vibrated loose during flight and the cartridge was lost. CFA response was not required.

**ACTION TAKEN:**

01FEB01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. VFA-106's participation in AWCAP is greatly appreciated. Closing action.

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 10661

(Continued)

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	RTSC	CLOSE PROBLEM		COMPLETE 01FEB01
	INDIANAPOLIS/CNPCOO			

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VFA-106 MESSAGE 251304ZJAN01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	PROBLEM CLOSING
	01FEB01	

<b>ACTION :</b>	<b>VMFA(AW)-224</b>	<b>CODR</b>	<b>M09439-01-0002</b>	<b>17JAN01</b>	<b>CLOSED</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UNK			
<b>FAILED PART:</b>	1348AS1100			
	<b>NOMEN:</b> EJECTOR RACK			

**DESCRIPTION:**

An aircraft returned from a training sortie with hung MK-76 on station eight. While downloading ordnance crew verified that the CCU-107/B cartridge had fired. The crew performed system release checks on station eight with no discrepancies noted. The breech pressure rings and restrictor o-rings were inspected and no discrepancies noted. CFA response was not required.

**ACTION TAKEN:**

22JAN01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further action is required. VMFA(AW)-224's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	RTSC	CLOSE REPORT		COMPLETE 22JAN01
	INDIANAPOLIS/CNPCOO			

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMFA(AW)-224 MESSAGE 170800ZJAN01	REPORT PROBLEM
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	PROBLEM CLOSING
	22JAN01	

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 10661

(Continued)

**ACTION : VMFA(AW)-224                      CODR              M09439-01-0003              17JAN01 CLOSED** |

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UNK			
<b>FAILED PART:</b>	1348AS1100			
	<b>NOMEN:</b> EJECTOR RACK			

**DESCRIPTION:**

An aircraft returned from a training sortie with two hung MK-76 practice bombs. During flight, the aircrew noted hung and unlocked indication for stations two and eight, each loaded with a practice bomb. While downloading, ordnance crew found the breech cap disconnected and the CCU-107/B cartridges missing. Aircraft loads were inspected by Quality Assurance Safety Observer and the aircrew during pre-flight inspection and no discrepancies noted. The breech cap was observed to be installed during both inspections. It appears that improper tightening of the breech cap caused the loss of the cartridges during flight. It is suspected that the Quality Assurance Safety Observer failed to ensure security of breech cap. CFA response was not required.

**ACTION TAKEN:**

22JAN01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further action is required. VMFA(AW)-224's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	RTSC	CLOSE REPORT		COMPLETE 22JAN01
	INDIANAPOLIS/CNPCOO			

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMFA(AW)-224 MESSAGE 170801ZJAN01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	PROBLEM CLOSING
	22JAN01	

**ACTION : VFA-195                      CODR              R09706-01-0004              16JAN01 CLOSED** |

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UNK			
<b>FAILED PART:</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			



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**PROBLEM NO: 10661**

**(Continued)**

**DESCRIPTION:**

An aircrew reported several unsuccessful attempts to release five MK-76 practice bombs and one MK-58 marine location marker from a BRU-41. The MK-2 model one impulse cartridges failed to fire. This discrepancy was reported by aircrews in three different aircraft using identical lot numbered cartridges. All three aircraft were release checked with no discrepancies noted. Subsequent aircraft carrying the same bomb configuration, but with different lot number cartridges did not experience difficulties with ordnance release. The suspect cartridges were turned into NAF Atsugi weapons department and are awaiting disposition. CFA response was requested.

**ACTION TAKEN:**

23JAN01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further action is required. VFA-195's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	RTSC INDIANAPOLIS	CLOSE PROBLEM		COMPLETE 23JAN01

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VFA-195 MESSAGE 161000ZJAN01	CODR REPORT
	RTSC INDIANAPOLIS/CNPCCO CFA REVIEW	REPORT CLOSING
	23JAN01	

<b>ACTION :</b>	<b>VMFA-115</b>	<b>EMR</b>	<b>M09234-00-0021</b>	<b>27OCT00</b>	<b>CLOSED</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UNK			
<b>FAILED PART:</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			

**DESCRIPTION:**

An aircraft returned from a training mission with a hung MK-76 on BRU-41 station six. Prior to entering the fuel pits, the ordnance crew safed the bomb. After re-fueling, the aircraft proceeded to the flight line and shut down. After download of the MK-76, the ordnance crew discovered that the CCU-107 cartridge had fired and the front hook was slow to open. The ejector feet and breeches had been cleaned prior to flight. The malfunction was determined to be caused by material failure. The BRU-41 was turned into MALS 31 for test and repair. CFA response was not requested.

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AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10661**

**(Continued)**

**ACTION TAKEN:**

31OCT00: Repair and return rack to service. All IMER and ITER hung store discrepancies are being monitored. No further action is required. VMFA-115's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM		COMPLETE 31OCT00

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VMFA-115 MESSAGE 271339ZOCT00	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 31OCT00	PROBLEM CLOSING

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10702**

**CLOSED**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	RACK, BOMB EJECTOR (IMER)	1348AS100	1095	01-257-1968	
	EJECTOR, BOMB RACK	1348AS1000	1095	01-317-7828	
	RACK, BOMB EJECTOR (ITER)	1348AS500	1095	01-257-1967	

**EI CNTRL NO:**

**PROB BRIEF :** BRU-41,-42; BREECH LEAD BECAME DISCONNECTED TO OPEN

**PROBLEM :** The breech cap was tightened prior to launch, but was not engaged by  
**DESCRIPTION** the breech retainer and subsequently vibrated loose in flight.

**PREVENTIVE :** Ensure the breech lead is tightened to the point where it would be  
**ACTION** engaged by the retainer.

**CORRECTIVE :** Replace missing breech lead.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	VMA-542	CODR	M52847-00-0029	20DEC00	CLOSED
	VMA-542	CODR	M52847-00-0028	14DEC00	CLOSED
	VFA-22	CODR	R09561-98-0038	15JUN98	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION :** VMA-542                      **CODR**              **M52847-00-0029**              **20DEC00 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS500	1095	01-257-1967	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (ITER)			
	<b>S/N:</b> UNK			
<b>FAILED PART:</b>	1348AS500	1095	01-257-1967	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (ITER)			
	<b>S/N:</b> UNK			

**DESCRIPTION:**

During the post flight inspection, the CCU-107 cartridge and the firing pin retainer from the firing lead cable assembly were discovered to be missing from a BRU-42/A. The breech lead cable was not fully seated on the breech tube preventing the latch from engaging the breech caps enabling the CCU-107 to fall out during flight. The malfunction was due to a loose breech lead retainer nut jammed against the breech pin and cartridge. This allowed the breech lead to loosen enabling the cartridge to fall out during flight. The team and the Quality Assurance Safety Observer performed preflight checks to ensure all breeches were properly secure and tightened. The importance of a visual inspection of the breech cap to ensure that the latch is engaged should be stressed. This will prevent a

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10702**

**(Continued)**

future occurrence. Human error was ultimately responsible for this discrepancy. CFA response was not requested.

**ACTION TAKEN:**

27DEC00: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. Repair Bomb Rack as required. VMA-542's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	RTSC	CLOSE PROBLEM		COMPLETE 27DEC00
	INDIANAPOLIS/CNPCCO			

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMA-542 MESSAGE 201900ZDEC00	PROBLEM REPORT
	RTSC INDIANAPOLIS/CNPCCO CFA REVIEW	PROBLEM CLOSING
	27DEC00	

<b>ACTION :</b>	<b>VMA-542</b>	<b>CODR</b>	<b>M52847-00-0028</b>	<b>14DEC00</b>	<b>CLOSED</b>
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	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS1000	1095	01-317-7828	
	<b>NOMEN:</b> EJECTOR, BOMB RACK			
	<b>S/N:</b> UNKNOWN			
<b>FAILED PART:</b>	1348AS1003	1095	01-379-5414	
	<b>NOMEN:</b> BREECH, EJECTOR			

**DESCRIPTION:**

During his mission a pilot could not properly eject an MK-76 practice bomb. Upon return the ground crew discovered the breech cable hanging from the BRU-42 and ring around the primer pin and the cartridge both missing. It was determined that the BRU-42 at station two breech lead was not fully seated on breech tube up into the detent ring of the breech tube. Personnel performing preflight checks did not determine if the breech was secured and tight. Not observed during the inspections was that the breech lead's retainer nut was loose and jammed against the breech pin and cartridge enabling the nut to vibrate loose during flight. The team leader and the Quality Assurance Safety Observer were ultimately responsible for oversight. To prevent future occurrence ground crews should tighten the breech cap up into the detent ring to ensure a proper fit as well as a secured cartridge. Also, perform cleaning and inspection after every five firings in accordance with NAVAIR 11-75A-603 would help prevent future mishaps. CFA response was not required.

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 10702**

**(Continued)**

**ACTION TAKEN:**

20DEC00: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. Repair Bomb Rack as required. VMA-542's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM		COMPLETE 20DEC00

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VMA-542 MESSAGE 140700ZDEC00	CODR REPORT
		RTSC INDIANAPOLIS/CNPCOO REPORT REVIEW	CFA REVIEW
		20DEC00	

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16459

CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	RACK, BOMB EJECTOR (IMER)	1348AS100	1095	01-257-1968	
	RACK, BOMB EJECTOR (ITER)	1348AS500	1095	01-257-1967	

EI CNTRL NO:

PROB BRIEF : BRU-41; SWAYBRACE PAD SEPARATED FROM SWAYBRACE

**PROBLEM :** Aft outboard swaybrace pad separated from the swaybrace causing the  
**DESCRIPTION** loss of the aft Laser Guided Training Round bracket.

**PREVENTIVE :** Not determined.  
**ACTION**

**CORRECTIVE :** Not determined.  
**ACTION**

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VFA-147	CODR	R63925-01-0010	23MAY01	CLOSED
	VMAT-203	CODR	M09821-00-0045	13SEP00	CLOSED
	VMFA(AW)-225	CODR	M09232-98-0056	21AUG98	CLOSED *

## \* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : VFA-147 CODR R63925-01-0010 23MAY01 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> JXM-0092			
FAILED PART:	1784AS0827	1095	01-375-4627	
	<b>NOMEN:</b> ADAPTER BRACKET			

**DESCRIPTION:**

The adapter bracket and swaybrace pad were found missing from a BRU-41 during post flight visual inspection by maintenance personnel. The cause is unknown, but the items most likely departed the aircraft following stores release in the target area. The items were not recovered. CFA response was not requested.

**ACTION TAKEN:**

31MAY01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further action is required. VFA-147's participation in AWCAP is greatly appreciated. Closing action.

ACTION	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	RTSC	CLOSE PROBLEM		COMPLETE 31MAY01
	INDIANAPOLIS/CNPCCO			

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16459**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VFA-147 MESSAGE 231931ZMAY01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 31MAY01	PROBLEM CLOSING

**ACTION : VMAT-203 CODR M09821-00-0045 13SEP00 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS500	1095	01-257-1967	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (ITER)			
	<b>S/N:</b> MGP413			
<b>FAILED PART:</b>	291AS230-101			
	<b>NOMEN:</b> SWAYBRACE SCREW ASSY			

**DESCRIPTION:**

An aircraft initially loaded with six MK-76 practice bombs on stations two and six returned from its mission. Upon post flight inspection, aircrew reported the round part of the swaybrace screw missing from aircraft station two, BRU-42 station one. The threaded part of the swaybrace screw was retained in the BRU-42. It was suspected that the swaybrace screw end had sheared at time of release of the MK-76 over bombing range. It was determined that material failure caused the swaybrace screw to shear at the point where the threads join the round part of the screw. CFA response was not requested.

**ACTION TAKEN:**

20SEP00: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the report for racking purposes only. VMAT-203's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM	COMPLETE 20SEP00

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMAT-203 MESSAGE 130501ZSEP00	PROBLEM REPORTED
	RTSC INDIANAPOLIS CFA REVIEW 20SEP00	PROBLEM CLOSING

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16468**

**CLOSED**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	RACK, BOMB EJECTOR (IMER)	1348AS100	1095	01-257-1968	
	RACK, BOMB EJECTOR (ITER)	1348AS500	1095	01-257-1967	

**EI CNTRL NO:**

**PROB BRIEF :** BRU-41, -42; DELAYED RELEASE OF STORE

**PROBLEM :** Pilot reported delayed release of practice bomb.  
**DESCRIPTION**

**PREVENTIVE :** Ensure proper cleaning practice is adhered to.  
**ACTION**

**CORRECTIVE :** Clean ejector rack thoroughly and return to service.  
**ACTION**

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	VMFA-232	HMR	M09242-00-0008	18MAY00	CLOSED *
	VMA-513	EMR	M09231-00-0013	07APR00	CLOSED *
	VMFA-112	CODR/EMR	M08954-98-0016	22SEP98	CLOSED *
	VMFA-112	CODR	M08954-98-0015	19SEP98	CLOSED *
	VMFAT-101	CODR	M09965-97-0022	08JUL97	CLOSED

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION :** VMFAT-101                      **CODR**              **M09965-97-0022**              **08JUL97 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UNKNOWN			
<b>SUB-ASSY :</b>	1348AS5000	1095	01-423-0810	
	<b>NOMEN:</b> KIT, PRACTICE BOMB ADAPTER			
<b>FAILED PART:</b>	1348AS5001	1095	01-309-8246	
	<b>NOMEN:</b> RESTRICTOR, BOMB			

**DESCRIPTION:**

During routine air-to-ground training mission, aircraft had one hung BDU-48 practice bomb. Wingman visually confirmed presence of bomb prior to lowering of landing gear over the water while performing Hung Ordnance approach. After landing, wingman observed that bomb was no longer there. Required FLASH reports were sent. To date, the BDU-48 has not been located and it is assumed that it was dropped in the ocean during landing gear lowering. Post flight inspection of IMER, the release/control and stray voltage checks yielded no discrepancies. Consensus among experienced ordnance personnel was that the most probable cause of this hung bomb was improper loading



**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM****PROBLEM NO: 16468****(Continued)**

procedures due to over torque of swaybraces on IMER. Three days after the first incident another BDU-48 fell off over the water while aircraft was performing Hung Ordnance approach to MCAS El Toro. Wingman visually confirmed bomb impacting ocean. Squadron Commanding Officer discontinued use of the BDU-48 until firm cause and fix is identified. Improper loading procedures, while still a possibility, was not suspected because of redundant QA by ordnance officer, ordnance chief or line chief on all BDU-48s to check for over torque swaybraces. The redundant check was instituted after the first BDU-48 incident. During in-house investigation, it was discovered that Aviation Armament Change (AAC) 934 was not installed on practice bomb adapter kits. During this squadron's transition from MER-7s to IMERs, AAC 934 was not incorporated, as required. The AAC is a required Technical Directive (TD) per A1-F18AE-LWS-450 for all F/A-18 practice bombs. However, the TD states "this directive does not apply to practice bomb kits intended for use with MER-7 or TER-7." Per phone contact with NAWC PT MUGU Weapons Division Fleet Liaison, upcoming change of A1-F18AE-LWS-000 will incorporate AAC 934 and O-ring info. Additionally, NAVAIR 11-5-603 does not incorporate information on ACC 934. Although a theory, in-house investigation determined the following most likely sequence of events:

a. Escape of gas pressure due to absence of AAC 934 O-ring caused partial opening of IMER hooks. In both cases, F/A-18 DDI indicated store release with proper count down and no HUNG/LKD, G-LIM, R-LIM indications.

b. Due to lightweight of BDU-48 and forward facing hooks of IMER, airstream forced BDU-48 lug against hook.

c. Bomb was retained until turbulence or reduced airspeed caused by lowering of landing gear.

Squadron Commanding Officer has discontinued use of BDU-48 pending investigation. All IMER practice bomb adapter kits have had AAC 934 installed. After more research, Technical Publication Deficiency Reports may be submitted against NAVAIR 11-5-603 for information on ACC 934 and reoccurring inspection intervals and criteria of restrictor O-ring.

**ACTION TAKEN:**

15JUL97: Findings: During Investigation at VMFAT-101, it was discovered that AAC-934 (O-ring) was not installed.

Conclusions: Hung or delayed release of lightweight practice stores can be caused by the lack of the O-ring that allows gas to escape through vent holes. ECP-1085 has been approved by NAVAIR. The modification adds a spring to the rear tang of the forward hook of each ejector unit. The spring ensures positive hook opening when lightweight stores are carried. Liaison with NAVAIR-3.1.1K indicated the formal Technical Directive will be forwarded to CNAP for verification no later than 21 JUL 97. Distribution should follow

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16468**

**(Continued)**

within 60 days of verification. Recommend induction of BRU-41 bomb rack into AIMD for test and check and return to service. VMFAT-101's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		HTSC	INVESTIGATE		COMPLETE 15JUL97
		INDIANAPOLIS/CNPBJK			

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VMFAT-101 MESSAGE 080451ZJUL97	PROBLEM REPORTED
		HTSC INDIANAPOLIS/CNPBJK MESSAGE	PROBLEM CLOSING
		150731ZJUL97	

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16833**

**CLOSED**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	RACK, BOMB EJECTOR (IMER)	1348AS100	1095	01-257-1968	
	RACK, BOMB EJECTOR (ITER)	1348AS500	1095	01-257-1967	

**EI CNTRL NO:** 01-0016

**PROB BRIEF :** BRU-41/42; PRACTICE BOMB ADAPTER BRACKET BROKE

**PROBLEM :** Postflight inspection revealed adapter bracket missing.  
**DESCRIPTION**

**PREVENTIVE :** Strict adherence to all approved safety and handling procedures.  
**ACTION**

**CORRECTIVE :** Return suspect rack to AIMD for appropriate repair. Ensure all  
**ACTION** safety and handling procedures are strictly observed.

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	VMA-542	EMR/EIR	M52847-01-0016	19APR01	CLOSED
	VFA-94	HMR/TFOA	R09295-00-0006	07MAR00	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION :** VMA-542                      **EMR/EIR**   **M52847-01-0016**                      **19APR01**   **CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS500	1095	01-257-1967	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (ITER)			
	<b>S/N:</b> UNKNOWN			
<b>FAILED PART:</b>	291AS221	1095	00-624-7187	
	<b>NOMEN:</b> BRACKET ASSY			

**DESCRIPTION:**

Maintenance ordnance personnel had sent out two separate loads on BRU-42/A stations on the same aircraft. During turnaround the ground crew noticed that station two was missing an 803 bracket clip assembly (P/N 291AS221) from the rear post and the foot pad (P/N 291AS230-1) from the rear inside post. The practice bomb was still loaded on the station and no attempt had been made to release the ordnance.

**ACTION TAKEN:**

19APR01: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further corrective action is required. VMA-542's participation in AWCAP is greatly appreciated. Closing action.

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BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

PROBLEM NO: 16833

(Continued)

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	:	RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM	COMPLETE 19APR01	
REFERENCES	:	IDENTIFICATION		REFERENCE BRIEF	
	:	RTSC INDIANAPOLIS/CNPCOO EI WEBSITE 19APR01		PROBLEM CLOSING	
	:	VMA-542 EI WEBSITE 19APR01		PROBLEM REPORTED	

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16837**

**CLOSED**

	<b>NOMENCLATURE</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	RACK, BOMB EJECTOR (IMER)	1348AS100	1095	01-257-1968	
	RACK, BOMB EJECTOR (ITER)	1348AS500	1095	01-257-1967	

**EI CNTRL NO:**

**PROB BRIEF :** BRU-41, -42; STORE FAILED TO RELEASE

**PROBLEM :** During flight, BRU-41/BRU-42 failed to release store.  
**DESCRIPTION**

**PREVENTIVE ACTION :** Thoroughly inspect the suspect bomb rack in accordance with maintenance manual.

**CORRECTIVE ACTION :** Return suspect bomb rack to local "I" level repair activity for appropriate repair.

	<b>SOURCE</b>	<b>TYPE</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>DR STATUS</b>
<b>OCCURRENCES:</b>	VMFAT-101	EMR/EIR	M09965-01-0014	26MAR01	CLOSED
	VMA-214	CODR	M09436-01-0013	14MAR01	CLOSED
	HMM-161	CODR	M09440-01-0002	04FEB01	CLOSED
	VFA-106	EMR	V09679-00-0044	09JAN01	CLOSED
	VMFA-232	CODR	M09242-00-0015	12OCT00	CLOSED
	VMAT-203	CODR	M09821-00-0041	21JUL00	CLOSED *
	VMAT-203	CODR	M09821-00-0042	21JUL00	CLOSED *
	VMAT-203	CODR	M09821-00-0031	10MAY00	CLOSED *
	VFA-125	CODR	R09485-00-0008	23FEB00	CLOSED *

**\* ACTION REPORTED IN PREVIOUS PUBLICATION**

**ACTION :** VMFAT-101                      **EMR/EIR**   **M09965-01-0014**                      **26MAR01** **CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UNK			
<b>FAILED PART:</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			

**DESCRIPTION:**

An aircraft with six BDU-48/B practice bombs proceeded to the range on a training mission. On the second attempted to release the BDU-48/Bs, the pilot received a no-spot from range control, but station counted down normally. The third BDU-48/B released normally. Upon completion of the mission and still over the range the wingman verified one BDU-48/B hung on BRU-41, station two. The pilot complied with SQDNO P3718.2Q procedures for hung BDU-48 without success. The aircraft then departed for MCAS Miramar. When

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16837**

**(Continued)**

approximately 10 miles from touch down on a straight in approach pilot lowered landing gear. The wingman observed the BDU-48/B depart from the aircraft uncommanded. Upon aircraft recovery, ordnance personnel verified that the BRU-41 sub-station two CCU-107 had expended and the restrictor had o-ring installed. The BRU-41 was turned in to MALS-11 ordnance. CFA response was requested.

**ACTION TAKEN:**

02APR01: During review of the incident, it was noted that hung BDU-48's are a known problem. Presently, there is an ongoing EI to resolve the problem. Exhibit is not needed for investigation. Repair and return bomb rack to service. VMFAT-101's participation in the AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>	RTSC	CLOSE PROBLEM		COMPLETE 02APR01
	INDIANAPOLIS/CNPCOO			

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMFAT-101 MESSAGE 261500ZMAR01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO MESSAGE	PROBLEM CLOSING
	021152ZAPR01	

<b>ACTION :</b>	<b>VMA-214</b>	<b>CODR</b>	<b>M09436-01-0013</b>	<b>14MAR01</b>	<b>CLOSED</b>
	<b>END ITEM :</b>	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
		1348AS500	1095	01-257-1967	
		<b>NOMEN:</b> RACK, BOMB EJECTOR (ITER)			
		<b>S/N:</b> 7474			
	<b>FAILED PART:</b>	1348AS500	1095	01-257-1967	
		<b>NOMEN:</b> RACK, BOMB EJECTOR (ITER)			

**DESCRIPTION:**

Two aircraft on an air to ground training mission were each loaded with four MK-83 inert bombs. During the bombing run, the MK-83 on station five of one aircraft remained on the shoulder station of BRU-42/A. The pilot received a hung indication and attempted to jettison, but the bomb would not release. Upon return to base the ground crew discovered that the CCU-107 cartridge had expended and the BRU-42/A suspension hooks were partially opened, but not enough for bomb release. The belief is that when hard skinned ordnance such as MK-80 series bombs without thermal protection, all BDU-45, and MK-80 series practice bombs are loaded in accordance with A1-AV8BB-LWS-000 there is a risk of similar incidents. A technical publication deficiency report was to be submitted to suggest a change be made in Section V to not tighten hard skinned weapons to one half turn per swaybrace on the BRU-42/A bomb rack. The present procedure is believed to make the weapon too tight causing this

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**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16837**

**(Continued)**

release problem. The BRU-42/A was turned in to MALS-13 ordnance for inspection. CFA response was requested.

**ACTION TAKEN:**

19MAR01: An inspection of the BRU-42/A by MALS-13 found that the inboard swaybrace pads were set incorrectly in accordance with A1-AV8BB-LWS-000, which instructs that the swaybraces be set to 9/16 of an inch below the rack arm. The forward inboard swaybrace pad was set at 7/32 of an inch and the rear swaybrace pad was set at 13/32 of an inch. No other discrepancies were found during the inspection. The hung store was most likely the result of the weapon being too tight on uneven swaybrace pads causing a binding effect on the suspension hooks. It was recommended that the bomb rack be returned to service and tracked for future problems. Also, ensure the use of the GMU-74/E for BRU-42/A inboard shoulder swaybrace and bomb lug height adjustments. VMA-214's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION :</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
<b>SUMMARY</b>	RTSC	CLOSE PROBLEM	COMPLETE 19MAR01
	INDIANAPOLIS/CNPCOO		

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMA-214 MESSAGE 140900ZMAR01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO MESSAGE	PROBLEM CLOSING
	190941ZMAR01	

<b>ACTION :</b>	<b>HMM-161</b>	<b>CODR</b>	<b>M09440-01-0002</b>	<b>04FEB01 CLOSED</b>	
		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>		1348AS500	1095	01-257-1967	
		<b>NOMEN:</b> RACK, BOMB EJECTOR (ITER)			
		<b>S/N:</b> JXO-488			
<b>FAILED PART:</b>		292AS100-201	1095	01-055-8923	
		<b>NOMEN:</b> BOMB EJECTOR RACK			

**DESCRIPTION:**

Ordnance personnel were performing post fire maintenance on BRU-42/A bomb racks, after air-to-ground missions. While attempting to remove the breech from left shoulder station on one of the bomb racks, the breech would not slide out. AIMD personnel were called to assist and discovered that the breech housing was cracked. It was suspected that the breech ring may have broken, preventing the breech from sliding out of the breech gun. The BRU-42/A was turned in to MALS-13 ordnance upon return to CONUS. CFA response was not requested.

30-NOV-01

**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

PROBLEM NO: 16837

(Continued)

**ACTION TAKEN:**

06FEB01: During review of the reported incident, RTSC Indianapolis concurred with the submittal of the report for tracking purposes only. No further action is required. HMM-161's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		RTSC	CLOSE PROBLEM		COMPLETE 06FEB01
		INDIANAPOLIS/CNPCOO			

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		HMM-161 MESSAGE 040145ZFEB01	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO CFA REVIEW	PROBLEM CLOSING
		06FEB01	

<b>ACTION</b>	<b>:</b>	<b>VFA-106</b>	<b>EMR</b>	<b>V09679-00-0044</b>	<b>09JAN01</b>	<b>CLOSED</b>
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		<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM</b>	<b>:</b>	1348AS100	1095	01-257-1968	
		<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
		<b>S/N:</b> UNK			
<b>FAILED PART:</b>		1348AS100	1095	01-257-1968	
		<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			

**DESCRIPTION:**

After completion of strike sortie, wingman noticed hung BDU-48 on aircraft station seven, BRU-41 station six. Hung ordnance indications were not present on cockpit stores display. The aircraft returned to NAF El Centro on a hung ordnance straight in to runway 30. After landing and shutdown, aircrew noticed the BDU-48 missing. It was surmised that the BDU-48 dropped from the aircraft during the transition to the landing configuration. The possible impact site is an unpopulated area with no civilian structures located along flight path. The location of the suspect impact site is N324955/W1154352 and within a 1000-yard box centered on that point. CFA response was not requested.

**ACTION TAKEN:**

12JAN00: Repair and return rack to service. All IMER and ITER hung store discrepancies are being monitored. No further action is required. VFA-106's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		RTSC	CLOSE PROBLEM		COMPLETE 12JAN01
		INDIANAPOLIS/CNPCOO			



30-NOV-01

**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 16837**

**(Continued)**

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VFA-106 MESSAGE 092200ZJAN01	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 12JAN01	PROBLEM CLOSING

**ACTION : VMFA-232 CODR M09242-00-0015 12OCT00 CLOSED**

	<b>PART/DOC. NO.</b>	<b>FSC</b>	<b>NIIN</b>	<b>NALC</b>
<b>END ITEM :</b>	1348AS100	1095	01-257-1968	
	<b>NOMEN:</b> RACK, BOMB EJECTOR (IMER)			
	<b>S/N:</b> UKN			
<b>FAILED PART:</b>	1348AS1100			
	<b>NOMEN:</b> EJECTOR RACK			

**DESCRIPTION:**

An aircraft returned from training mission, with 10 of 12 BDU-33s expended. After download of remaining two BDU-33s on aircraft station two, BRU-41 station two and aircraft station eight, BRU-41 station five, the ground crew discovered that the CCU-107's had fired and failed to release the BDU-33s. Further inspection revealed that all restrictors had O-rings properly installed. Ordnance crew found residual and unburned pellets in breech guns indicating that the cartridges did not properly burn upon ignition. The malfunction was determined to be caused by material failure. The expended CCU-107s were turned into MAL5-11 for examination. CFA response was not required.

**ACTION TAKEN:**

20OCT01: During the review of the incident, RTSC Indianapolis concurred with the submittal of the deficiency report for tracking purposes only. No further action is required. VMFA-232's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION SUMMARY</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE STATUS</b>
	RTSC INDIANAPOLIS/CNPCOO	CLOSE PROBLEM	COMPLETE 20OCT00

<b>REFERENCES :</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
	VMFA-232 MESSAGE 120201ZOCT00	PROBLEM REPORTED
	RTSC INDIANAPOLIS/CNPCOO CFA REVIEW 20OCT00	PROBLEM CLOSING

BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

**CLOSED**

EI CNTRL NO:

PROB BRIEF : MXU-611, -776, -777; CRACKED AFT FAIRING

**CORRECTIVE ACTION :** Until the ECP has been issued, the CFA will continue to monitor for future failures of this nature and direct the suspect MUX-777 to local "I" Level repair activities for appropriate repairs.

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VF-31	HMR/TFOA	V09473-01-0013	09MAY01	CLOSED
	NAS PATUXENT RIVER	EIR	N0428A-94-0126	05APR94	CLOSED *

\* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : VF-31 HMR/TFOA V09473-01-0013 09MAY01 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	2032AS1000-1	1680	01-462-4447	
	NOMEN: RELEASE MECHANISM, FUEL TANK			
	S/N: RVW-1002			
FAILED PART:	A51K56586-1	1680	00-006-7993	
	NOMEN: DOOR ASSY, AFT			

**DESCRIPTION:**

F-14D aircraft (BUNO 163898) returned from TARPS mission. During postflight inspection, aircrew found three inch by three inch area of access panel (P/N A51K56586-1) missing. FST response requested.

**ACTION TAKEN:**

22MAY01: Request shipment subject MXU-776 with EHR card to FST for investigation.

17JUL01: Findings: Examination of panel revealed fracture area was a vertical line immediately forward of forward hinge assembly. Fracture was due to bending. No evidence of cracking due to vibration.

30-NOV-01

**BOMB RACK (IMER/ITER, PGSE & RELATED EQUIPMENT) ACTIVE  
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM**

**PROBLEM NO: 880522**

**(Continued)**

Conclusion: Most probable cause of mishap is panel fastener failure (part numbers 2700-3 and 2700-5, 1 each) which allowed forward area of panel to contact airstream and bend backward until fracture occurred.

Recommend AIMD replace panel assembly, repair/inspect as necessary and return to ready for issue status. VF-31's participation in AWCAP is greatly appreciated. Closing action.

<b>ACTION</b>	<b>:</b>	<b>ACTIVITY/CODE</b>	<b>ASSIGNMENT</b>	<b>DUE DATE</b>	<b>STATUS</b>
<b>SUMMARY</b>		RTSC	INVESTIGATE REPORT		COMPLETE 17JUL01
		INDIANAPOLIS/CNPCOO			

<b>REFERENCES</b>	<b>:</b>	<b>IDENTIFICATION</b>	<b>REFERENCE BRIEF</b>
		VF-31 MESSAGE 091903ZMAY01	PROBLEM REPORTED
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 221245ZMAY01	INTERIM RESPONSE
		RTSC INDIANAPOLIS/CNPCOO MESSAGE 171345ZJUL01	CLOSING RESPONSE